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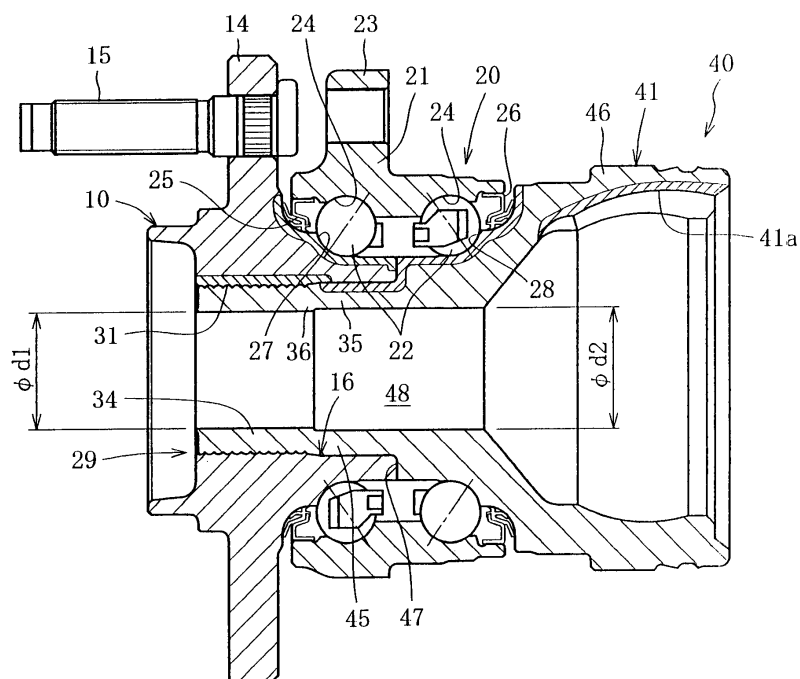
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(54) **Wheel bearing device**

(57) A wheel bearing device to ensure a sufficient durability and life even with the application of bending moment acting on the wheel bearing device. An outer joint member (41) of a constant velocity joint is fitted into the inside of a wheel hub (10) and a portion thereof is

swaged radially outward by plastic deformation to unite the wheel hub and the outer joint member. The outer joint member (41) includes a pilot part (35) adjacent the plastically deformed portion, and the ratio of an inside diameter $\Phi d2$ of the pilot part to an inside diameter $\Phi d1$ of the plastically deformed portion is set 1.110 or less.

Fig. 1





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EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B60B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 March 2005	Examiner Vanneste, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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